ζ

PATENT

Attorney Docket No.: LUC-018

### Amendments to the Specification:

Amend the Specification on page 1 after the Title by adding the following new paragraph:

#### **CROSS-REFERENCE TO RELATED APPLICATIONS**

This application claims benefit of the filing date of international application PCT/GB2005/000446, filed February 10, 2005, which claims the benefit of the filing date of United Kingdom application no. 0403322.1 filed February 14, 2004.

Amend the Specification on page 2, between lines 12 and 14 by adding the following new paragraphs:

### BRIEF DESCRIPTION OF THE DRAWINGS

In the accompanying drawings:

Fig. 1 is a representative electroluminescent device structure fabricated in accordance with this invention as described in Example 8.

Figs. 2 and 3 illustrate chemical formulae of certain types of electron injecting materials that may be used in some invention embodiments.

Figs. 4, 5, 6, 7 and 8 illustrate chemical formulae of certain types of hole transporting materials that may be used in some invention embodiments.

Figs. 9a, 9b and 9c illustrate the electroluminescent properties of an electroluminescent device according to the present invention fabricated in accordance with Example 8.

### **DETAILED DESCRIPTION OF THE INVENTION**

PATENT Attorney Docket No.: LUC-018

## Amend the Specification at page 3, line 19 through page 4, line 9 as follows:

The invention also provides a method of making an electroluminscent compound of

#### <del>formula</del>

$$\begin{array}{c|c}
R_1 \\
R_2 \\
R_3
\end{array}$$

# which comprises reacting a compound of formula

$$\begin{bmatrix} R_1 \\ R_2 \\ M \\ X \\ M \\ R_3 \end{bmatrix}_2$$

### with a compound of formula

$$\begin{array}{c|c}
 & R_4 \\
 & R_6 \\
 & R_5
\end{array}$$

where R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub> and R<sub>6</sub> are as above, X is an anion and n+2 is the valency of

PATENT Attorney Docket No.: LUC-018

## Amend the Specification at page 5, line 3 through page 5, line 8 as follows:

$$R_3$$
 $M$ 
 $M$ 
 $M$ 
 $R_3$ 
 $R_3$ 
 $R_3$ 

### with a compound of formula

$$\begin{array}{c|c}
 & R_4 \\
 & R_6 \\
 & R_5
\end{array}$$

$$\begin{bmatrix} R_3 \\ N \\ X \\ N \\ R_1 \end{bmatrix}_{\eta}$$

Application Serial No. 10/589,183 Amendment and Response

PATENT Attorney Docket No.: LUC-018

### with a compound of formula

$$\begin{array}{c}
R_4 \\
R_6 \\
R_5
\end{array}$$

where  $R_1$ ,  $R_2$ ,  $R_3$ ,  $R_4$ ,  $R_5$  and  $R_6$  are as above, X is an anion and  $\frac{n+2}{n+1}$  is the valency of M.

The invention also provides a method of forming a compound of formula

# Amend the Specification at page 6, line 1 through page 6, line 7 as follows:

$$\begin{bmatrix} R_1 \\ R_2 \\ R_3 \end{bmatrix}_n$$

Application Serial No. 10/589,183 Amendment and Response

PATENT Attorney Docket No.: LUC-018

### which comprises reacting a compound of formula

$$\begin{bmatrix} R_3 \\ X \\ X \\ X \\ R_1 \end{bmatrix}$$

### with a compound of formula

$$R_{5}$$
 $R_{6}$ 

where R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub> and R<sub>6</sub> are as above, X is an anion and n+2 is the valency of

M.

## Amend the Specification at page 29, lines 4 as follows:

The electroluminescent properties of this device were measured and the results shown in fig. 9.

PATENT Attorney Docket No.: LUC-018

### Amend the Specification at page 29, line 11 as follows:

The electroluminescent properties are shown in fig. 10 of this device were measured.

### Amend the Specification at page 29, line 19 as follows:

The electroluminescent properties are shown in fig. 11 of this device were measured.

### Amend the Specification at page 29, line 25 as follows:

The electroluminescent properties are shown in fig. 12 of this device were measured.

### Amend the Specification at page 30, line 5 as follows:

The electroluminescent properties are shown in fig. 13 of this device were measured.

#### Amend the Specification at page 30, line 11 as follows:

The electroluminescent properties are shown in fig. 14 of this device were measured.

#### Amend the Specification at page 30, line 17 as follows:

The electroluminescent properties are shown in fig. 15 of this device were measured.

### Amend the Specification at page 30, line 23 as follows:

The electroluminescent properties of this device were measured and the results are shown in fig. 16 Figs. 9a, 9b and 9c. The electroluminescent device on which Figs. 9a, 9b and 9c are based demonstrated CIE coordinates of x = 0.67 and y = 0.32 and produced a peak luminescent wave length of about 600 nm.

Application Serial No. 10/589,183 Amendment and Response

**PATENT** 

Attorney Docket No.: LUC-018

### Amend the Specification at page 31, line 5 as follows:

The electroluminescent properties are shown in fig. 17 of this device were measured.